

# Center for Computer Graphics and Scientific Visualization

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## Background

Established in 1991 to develop integrated computer aided solutions to problems in computer graphics, scientific visualization, computer aided geometric design and computer aided manufacturing for industrial applications.

<u>FY94-95 Overview</u>		<u>Cumulative Overview</u>	
<b>Current</b>		<b>Cumulative</b>	
1994-95 Award .....	\$100,000	Awards .....	\$400,000
Matching Funds .....	\$1,186,000	Matching Funds .....	\$6,159,256
Patents Pending .....	0	Patents Issued .....	0
Patents Issued .....	0	License Agreements .....	1
License Agreements .....	0	Spin-off Companies .....	1
Spin-off Companies .....	0		
Companies Assisted .....	10		
Industry Jobs Created .....	8		
Center Jobs Created .....	17		

## Technologies

- Computer design, modeling, graphics, and manufacturing technology for automating the whole "art-to-part" process, scalable from a small job shop to a large advanced industrial shop.
- National televideo infrastructure and learning via the national information highway.

## Center Highlights

- The Center's spin-off company, Engineering Geometry Systems (EGS) is creating products using Center technology.
- EGS has also entered into a strategic alliance for the sale of its software to Bridgeport Machines, Inc., a worldwide manufacturer of machine tools, to design and build machine tools to meet specific needs. This has resulted in an increase in employment at EGS.
- EGS has created and delivered a custom product to Hill Air Force Base to increase its manufacturing productivity. Center technology has served as a base for this customized product.
- EGS is using Center technology in working with Loral Defense Systems for the creation of parts, which the company could not get designed or manufactured elsewhere.
- The Center is working with consultants for the application of Center technology to the manufacture of a new oil drill bit. Success in this venture is expected to enhance a company's business by \$5-10 million a year.
- Briefed Governor Leavitt on various leading edge interactive televideo education methods.